

ENVIRONMENTAL
CLEARANCE



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), Kerala)

To,

The PROPRIETOR
ORDINARY EARTH MINING PROJECT OF MRS ANU J KADAVAN
KADAVIL VILLA, CHALAYKKAL ESTATE, SOUTH VAZHAKKULAM -
683105

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity
under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC)
in respect of project submitted to the SEIAA vide proposal number
SIA/KL/MIN/169050/2020 dated 19 Sep 2020. The particulars of the environmental
clearance granted to the project are as below.

1. EC Identification No.	EC22B001KL175221
2. File No.	1785/EC3/2020/SEIAA
3. Project Type	New
4. Category	B2
5. Project/Activity including Schedule No.	1(a) Mining of minerals
6. Name of Project	ORDINARY EARTH MINING PROJECT OF Mrs ANU J KADAVAN
7. Name of Company/Organization	ORDINARY EARTH MINING PROJECT OF MRS ANU J KADAVAN
8. Location of Project	Kerala
9. TOR Date	N/A

The project details along with terms and conditions are appended herewith from page
no 2 onwards.

Date: 20/07/2022

(e-signed)
Dr. Venu V IAS
Member Secretary
SEIAA - (Kerala)

*Note: A valid environmental clearance shall be one that has EC identification
number & E-Sign generated from PARIVESH. Please quote identification
number in all future correspondence.*

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PROCEEDINGS OF THE STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT AUTHORITY – KERALA, THIRUVANANTHAPURAM

(Present : *Dr.H.Nagesh Prabhu IFS (Retd), Chairman, Shri. K. Krishna Panicker,
Member, Dr.V.Venu IAS, Member Secretary*)

Sub: SEIAA - Environmental Clearance for Ordinary Earth Mining Project of Smt. Anu J. Kadavan, for an area of 0.5685 Ha in Re-Sy. No 406/2-3-2 of Vazhakulam Village, Kunnathunad Taluk, Ernakulam District, Kerala-Granted – Orders issued.

State Level Environment Impact Assessment Authority, Kerala

Proposal No. SIA/KL/MIN/169050/2020

File No. 1785/EC3/2020/SEIAA

- Ref: 1. Application received on 21/08/2020 from Smt. Anu J. Kadavan.
2. Minutes of the 127th SEAC meeting held on 28th to 30th April, 2022.
3. Minutes of the 114th SEIAA meeting held on 25th, 26th May, and 1st June, 2022.
4. G.O (Rt.) No.29/2019/Envt dt.12.04.2019.

ENVIRONMENTAL CLEARANCE NO.71/O.E./2022

Smt. Anu J. Kadavan, Kadavil Villa, Chalaykkal Estate, South Vazhakkulam P.O Aluva-683105, submitted an application for Environmental Clearance *via* PARIVESH on 21/08/2020 for the Ordinary Earth Mining Project for an area of 0.5685 Ha in Re-Sy No. 406/2-3-2 of Vazhakulam Village, Kunnathunad Taluk, Ernakulam District, Kerala. The project details are as follows:

SL. No.	Particulars	Details
1	Name of the Project	Ordinary Earth Mining Project of Smt. Anu J. Kadavan
2	Proposed Activity	Mining of Ordinary Earth
3	Name of the Sector & Schedule No. (in the EIA Notification, 2006)	Category B2, Schedule 1(a) as per EIA Notification 2006.
4	Name & Address of the Project Proponent	Smt. Anu J. Kadavan, Kadavil Villa, Chalaykkal Estate, South Vazhakkulam P.O Aluva-683105
5	Project Location	
	a) Re. Survey Nos:	406/2-3-2
	b) Revenue Village	Vazhakulam
	c) Taluk	Kunnathunad
	d) District	Ernakulam
6	Geo Co-ordinates	Latitude 10° 5'23.72"N -10° 5'27.38"N Longitude 76°25'41.35"E- 76°25'44.17"E.
7	Extent (in Acre/Hectare)	0.5685 Ha
8	Project Cost (in Lakh)	18 lakhs
9	Mineable Resource	19897.5m ³ (As per approved Mining Plan)
10	Date of Field Inspection	Date of Field Inspection: 5-8-2021
11	Validity of EC	2 years from the date of execution of Permit from the Department of Mining & Geology as per S.O.1807 (E) dated.12 th April 2022 from MoEF &CC.

2. In the 127th SEAC meeting held on 28th to 30th April, 2022. The Committee examined the documents submitted by the proponent and found them satisfactory. The distance from the nearest built structure is 208m. The Committee recommended EC with a project life of 2 years from the date of permit from the Mining and geology subject to the following Specific Conditions in addition to the General Conditions.

- a. The depth of mining should be limited above the groundwater table.
- b. Benches should be maintained with a height of 2 metres and width of 2 meters.

- c. Planting should be done in the elevated area after excavation.
- d. Appropriate drainage should be maintained from the Project site and surrounding area so as to ensure unhindered overland flow. The drainage channel should be provided with silt traps, siltation ponds and outflow channel which should be desilted periodically to avoid obstruction of overland flow.
- e. Top soil should be dumped in the laterite quarry in the adjacent plot and re-use in the excavated area.

3. In the 114th SEIAA Meeting 25th, 26th May and 1st June 2022, the Authority decided to issue Environmental Clearance for a project life of 2 years for the quantity mentioned in the approved Mining Plan subject to the following Specific Conditions in addition to the General Conditions.

1. *The proponent shall carry out quarrying as per the approved Mining Plan and the proponent should strictly follow the Kerala Minor Mineral Concession Rules 2015 and amendments thereby.*
2. *The EC shall be valid from the date of execution of permit/lease from the Department of Mining and Geology. The copy of the lease/permit order should be provided to the SEIAA before commencing the mining activity.*
3. *The excavated soil shall not be used for filling the paddy fields or wetlands.*
4. *The depth of mining should be limited above the groundwater table.*
5. *Benches should be maintained with a height of 2 meters and width of 2 meters.*
6. *Planting should be done in the elevated area after excavation.*
7. *Appropriate drainage should be maintained from the Project site and surrounding area so as to ensure unhindered overland flow. The drainage channel should be provided with silt traps, siltation ponds and outflow channel which should be desilted periodically to avoid obstruction of overland flow.*
8. *Top soil should be dumped in the laterite quarry in the adjacent plot and re-use in the excavated area.*
9. *As per the directions contained in the OM F.No.22-34/2018-IA.III dated 16th January 2020 issued by MoEF & CC, in obedience to the directions of the Hon'ble Supreme Court the Project Proponent shall, undertake re-grassing the mining area*

and any other area which may have been disturbed due to his mining activities and restore the land to a condition which is fit for growth of fodder, flora, fauna etc. The compliance of this direction shall be included in the Half Yearly Compliance Report which will be monitored by SEAC at regular intervals.

4. Environmental Clearance, under Notification S.O. No.1533 (E) dated 26.09.2006 read with O.M. as 1st paper above of the Ministry of Environment & Forest, Government of India, is hereby accorded to Smt. Anu J. Kadavan, Kadavil Villa, Chalaykkal Estate, South Vazhakkulam P.O Aluva, for the mining of Ordinary Earth from an area of 0.5685 Ha in Re-Sy No. 406/2-3-2 of Vazhakulam Village, Kunnathunad Taluk, Ernakulam District, Kerala, for the quantity mentioned in the approved Mining Plan for a period of **two years from the date of execution of permit from Department of Mining and Geology as per S.O.1807 (E) dated.12.04.2022 of MoEF & CC**, subject to the Specific Conditions suggested by SEIAA in Para (3) above in addition to the following General Conditions.

General Conditions

1. *Proponent should obtain all necessary statutory clearances for mining.*
2. *Appropriate fencing all around the burrowed/excavated pit shall be made to prevent any mishap.*
3. *Proper retaining wall shall be provided for safeguarding the immediately adjacent property, other buildings and civil structures.*
4. *A berm shall be left from the boundary of adjoining field having a width equal to at least half the depth of proposed excavation or as specified in mining plan.*
5. *Mining shall be done as per mining plan and suggestions by SEAC.*
6. *The mining activity should not involve blasting*
7. *The excavation shall not alter the natural drainage pattern of the area.*
8. *Appropriate measures shall be taken to prevent dust pollution caused during laterite cutting.*
9. *Safeguards shall be adopted against health risks on account of breeding of vectors in the water bodies created due to burrowing/excavation of laterite building stone.*

10. *Provide 2m x 2m benches for mining depth greater than 3m to prevent slope failures. For soil and soft formation the benches of height 1.5m to 2m are to provided to prevent collapse of wall.*
11. *Maximum depth of removal of laterite building stone should be limited to 1 m above the clay layer (Lithomargic clay layer). The level should be prominently marked before initiating the work.*
12. *Removal of laterite building stone should be restricted to 2m above the ground water table at the site. The decision taken by the expert team of SEAC in this regard, in relation to details provided in the mining plan, after the field inspection shall be final.*
13. *The top soil and overburden shall be stacked in separate demarcated area and shall be used for reclaiming the excavated pit. Proper measures shall be provided to prevent the erosion of the stacked material.*
14. *The burrowed/excavated pit shall be restored by the project proponent for useful purpose(s) as specified in the mining plan.*
15. *Measures shall be taken to prevent dust pollution by covering of burrowed/excavated laterite building stone during transportation.*
16. *Applicable labour laws for mining shall be followed. Proper masks and onsite facilities shall be provided to the workers. All safety measures shall be followed while cutting laterite using machines.*
17. *Mine has to be closed as per progressive mine closure plan and final mine closure plan.*
18. *If EC period is more than 6 months, half yearly compliance report shall be submitted to SEIAA.*
19. *The Environmental Clearance shall be liable to be cancelled in case of violation of any of the above conditions.*
20. *The minimum distance norm from the boundary/periphery of other properties buildings/civil structures as prescribed in KMMC Rules and other statutory rules and orders shall be followed.*
21. *Suitable indigenous plants should be planted around the mining area and sides of the haul road as green belt.*

5. Violation of any of the above Specific & General Conditions as applicable to the particular

case will entail cancellation of the Environmental Clearance, in addition to legal action under the provisions of the Environment (Protection) Act, 1986. Non-compliance, if any shall be reported to the **District Collector, Ernakulam** by the State Environment Impact Assessment Authority.

6. The given address for correspondence of the Project Proponent is Smt. Anu J. Kadavan Kadavil Villa, Chalaykkal Estate, South Vazhakkulam P.O Aluva-683105.

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Sd/-
Administrator, SEIAA
For Member Secretary, SEIAA

To,

Smt. Anu J. Kadavan,
Kadavil Villa,
Chalaykkal Estate,
South Vazhakkulam P.O
Aluva-683105

Copy to:

1. The District Collector, Ernakulam
2. The Director, Directorate of Environment & Climate Change, Trivandrum
3. The Tahsildhar, Kunnathunad Taluk, Ernakulam
4. The Director, Mining & Geology, Trivandrum
5. The District Geologist , Ernakulam
6. The Village Officer, Vazhakulam Village Office, Kunnathunad Taluk, Ernakulam
7. The Chairman, SEIAA
8. Stock File
9. Website
10. O/C